

Amendments to the Claims

1. **(Currently Amended)** A recording apparatus, comprising:

reception means for receiving one broadcast signal, 3 out of a plurality of broadcast signals, each broadcast 4 signal being specified using a condition, the condition including a broadcast frequency and at least one other item; and

recording means for recording

(1) the broadcast signal received by the reception means, and

(2) broadcast ID information ~~that is~~ based on a channel number and other information, the broadcast ID information enabling and enables the received broadcast signal to be identified out of the plurality of broadcast signals,

on a recording medium in an interrelated manner.

2. **(Currently Amended)** A recording apparatus according to Claim 1,

wherein the broadcast ID information recorded by the recording means includes broadcast station ID information that (a) enables a broadcast station that broadcast the interrelated broadcast signal to be identified out of a plurality of broadcast stations that broadcast the plurality of broadcast signals and (b) is specified based on the channel number and the other information.

3. **(Original)** A recording apparatus according to Claim 2,

wherein each channel number is a broadcast channel number corresponding to a single broadcast frequency,

the recording apparatus further comprises broadcast channel number reception means for receiving an input of a broadcast channel number from a user,

and the reception means includes a tuner and receives, via the tuner, a broadcast signal broadcast on a broadcast frequency corresponding to the broadcast channel number received by the broadcast channel number reception means.

4. **(Original)** A recording apparatus according to Claim 3, further comprising:
broadcast station correspondence table storage means for storing a broadcast station correspondence table in which broadcast channel numbers and other information are associated with broadcast station ID information,

wherein the recording means specifies, based on the broadcast station correspondence table, broadcast station ID information from the broadcast channel number received by the broadcast channel number reception means and the other information, and records broadcast ID information including the specified broadcast station ID information on the recording medium in an interrelated manner with the broadcast signal received by the tuner.

5. **(Original)** A recording apparatus according to Claim 4,
wherein the other information is area classification information that enables an area in which the reception means is located to be distinguished from a plurality of other areas.

6. **(Original)** A recording apparatus according to Claim 5,
wherein the recording means treats parts of the broadcast signal received by the reception means during certain periods as programs, specifies broadcast station ID information separately for each program, and records each program and corresponding broadcast ID information on the recording medium in an interrelated manner.

7. **(Currently Amended)** A recording apparatus according to Claim 6,
wherein the recording means records the broadcast ID information of ~~the~~ a program in an attribute area on the recording medium,

the attribute area is linked to an area on the recording medium in which the program corresponding to the broadcast ID information is recorded, and

the recorded broadcast ID information is paired with a data application ID showing an application format for data and is recorded with a data construction that conforms with the application format shown by the data application ID.

8. **(Original)** A recording apparatus according to Claim 7,
wherein the recording means

(1) is capable of recording broadcast ID information with any of a plurality of data constructions that conform with a plurality of application formats,

(2) selects an application format, out of the plurality of application formats, in accordance with a data application ID that is already recorded on the recording medium, and

(3) records the broadcast ID information with a data construction that conforms with the selected application format.

9. **(Original)** A recording apparatus according to Claim 5,

wherein the recording means includes an area classification information reception unit for receiving an input of area classification information from the user, and

the recording means specifies, based on the broadcast station correspondence table, broadcast station ID information from the area classification information received by the area classification information reception unit and the broadcast channel number, and records broadcast ID information including the specified broadcast station ID information on the recording medium in an interrelated manner with the broadcast signal received by the tuner.

10. **(Currently Amended)** A recording apparatus according to Claim 5, further comprising:

broadcast station correspondence table obtaining means for obtaining ~~a~~ the broadcast station correspondence table from another apparatus via a communication path, and storing the obtained broadcast station correspondence table in the broadcast station correspondence table storage means.

11. **(Currently Amended)** A recording apparatus according to Claim 3,

wherein the broadcast ID information includes ~~a~~ the broadcast channel number ~~as well as~~ and the broadcast station ID information, and

the recording means records the broadcast ID information including the broadcast channel number received by the broadcast channel number reception-unit means on the recording medium in an interrelated manner with ~~a~~ the broadcast signal that the tuner receives in accordance with the broadcast channel number.

12. **(Original)** A recording apparatus according to Claim 2,
wherein the recording means records the broadcast ID information as a pair with a data application ID showing an application format for data, the broadcast ID information being recorded with a data construction that conforms with the application format shown by the data application ID.

13. **(Original)** A recording apparatus according to Claim 2,
wherein the recording means treats parts of the broadcast signal received by the reception means during certain periods as programs, specifies broadcast station ID information separately for each program, and records each program and corresponding broadcast ID information on the recording medium in an interrelated manner.

14. **(Currently Amended)** A recording apparatus according to Claim 13,
wherein the recording means records the broadcast ID information of ~~the~~ a program in an attribute area on the recording medium,
the attribute area is linked to an area on the recording medium in which the program corresponding to the broadcast ID information is recorded, and
the recorded broadcast ID information is paired with a data application ID showing an application format for data and is recorded with a data construction that conforms with the application format shown by the data application ID.

15. **(Original)** A recording apparatus according to Claim 2,
wherein the recording means
(1) is capable of recording broadcast ID information with any of a plurality of data constructions that conform with a plurality of application formats,

(2) selects an application format, out of the plurality of application formats, in accordance with a data application ID that is already recorded on the recording medium, and

(3) records the broadcast ID information with a data construction that conforms with the selected application format.

16. **(Original)** A recording apparatus according to Claim 2, wherein the recording medium is removable, the recording means includes a medium loading unit operable to load the recording medium, and

the recording means records the broadcast signal received by the reception means and the broadcast ID information in an interrelated manner on the recording medium loaded by the medium loading unit.

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17. **(Currently Amended)** A recording apparatus according to Claim 2, wherein the channel number is an operation channel number that is used by ~~the~~ a user when ~~selecting the user selects~~ a channel,

the recording apparatus ~~comprising~~ further comprising:

operation channel number reception means for receiving an input of an operation channel number by ~~a~~ the user; and

channel correspondence table storage means for storing a channel correspondence table that associates operation channel numbers with broadcast channel numbers that correspond to broadcast frequencies, and

the reception means includes a tuner, the reception means

~~(1) including a tuner;~~

~~(2)~~ specifying, based on the channel correspondence table, a broadcast channel number corresponding to the operation channel number received by the operation channel number reception means, and

~~(3)~~ receiving, via the tuner, a broadcast signal broadcast on a broadcast frequency corresponding to the specified broadcast channel number.

18. **(Currently Amended)** A recording apparatus according to Claim 2, further comprising a broadcast selection reception means for presenting, to a user, broadcast ID information for the plurality of broadcast signals that can be received by the reception means and receiving a selection of broadcast ID information for one broadcast signal from ~~a~~ the user,

the reception means including a tuner, and receiving, via the tuner, a broadcast signal broadcast on a broadcast frequency determined based on the broadcast ID information of the selection received by the broadcast selection reception means.

19. **(Original)** A recording apparatus according to Claim 2, wherein the broadcast ID information is broadcast having been multiplexed with the corresponding broadcast signal,

the reception means includes a separating unit for separating the broadcast ID information from the received broadcast signal, and

the recording means records the broadcast signal received by the reception means on the recording medium as a separate file that is interrelated with the broadcast ID information separated by the separating unit.

20. **(Original)** A recording apparatus according to Claim 2, wherein the broadcast station ID information includes character string data showing a name of a broadcast station.

21. **(Currently Amended)** A recording apparatus according to Claim 1, wherein the channel number is a broadcast channel number corresponding to a single broadcast frequency,

the other information is area classification information that enables an area in which the reception means is located to be distinguished from a plurality of other areas,

the recording means records the broadcast signal received by the reception means onto the recording medium in an interrelated manner with the broadcast ID information ~~composed of~~ including the area classification information and the broadcast channel

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number corresponding to a broadcasting frequency on which the broadcast signal is received.

22. **(Currently Amended)** A recording apparatus corresponding to Claim 1, wherein the recording medium is a rewritable optical disc, and the recording means records data onto the recording medium in conformity with DVD Video Recording Standard, treats a part of the broadcast signal received by the reception means during a certain period as a program, and records the program and the broadcast ID information on the recording medium,

the broadcast ID information being recorded into an IT_TXT area ~~that is~~ in a management information file on the optical disc and is linked to a recording area for the recorded program, and

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the broadcast ID information being recorded in accordance with a data application format that is shown by a data application ID recorded together with the broadcast ID information, in a text field that is appended with an IDCD value "0x90".

23. **(Currently Amended)** A playback apparatus that plays back a program recorded on a recording medium,

the recording medium storing ~~a~~ the program and broadcast ID information for the program in an interrelated manner,

the ~~a~~ program being a part of a broadcast signal during a certain period,

the broadcast ID information (1) identifying the broadcast signal, out of a plurality of broadcast signals ~~that can~~ able to be specified by a condition ~~composed of~~ including a broadcast frequency and at least one other item, on which the program was received, and (2) being based on the broadcast frequency and other information,

the playback apparatus comprising:

reading means for reading ~~a~~ the program and at least part of the broadcast ID information related to the program;

display means for displaying the at least part of the broadcast ID information read by the reading means; and

playback means for playing back the program read by the reading means.

24. **(Currently Amended)** A playback apparatus according to Claim 23,
wherein the broadcast ID information includes broadcast station ID information
that (a) identifies a broadcast station that broadcast ~~a~~ the broadcast signal for the
~~interrelated~~ program on the recording medium out of a plurality of broadcast stations that
broadcast the plurality of broadcast signals and (b) is specified based on a channel
number and the other information,

the reading means reads the broadcast station ID information from the recording
medium, and

the display means displays the broadcast station ID information read by the
reading means.

25. **(Currently Amended)** A playback apparatus according to Claim 24,
wherein the recording medium stores a plurality of pairs, each ~~composed of~~
including a program and corresponding piece of broadcast ID information,

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recording medium, and

the display means displays the plurality of pieces of broadcast ID information
read by the reading means.

26. **(Original)** A playback apparatus according to Claim 25,
wherein the broadcast ID information for a program is recorded on the recording
medium

(1) with a data application ID showing an application format for data as a pair,
(2) in an attribute area that is linked to a recording area of the corresponding
program, and

(3) in a data format that conforms with the application format shown by the data
application ID, and

the reading means judges whether pieces of broadcast ID information on the
recording medium are paired with a data application ID that matches a predetermined
value, and reads the broadcast station ID information only from pieces of broadcast ID
information that are paired with a matching data application ID.

27. **(Currently Amended)** A playback apparatus according to Claim 24,
wherein ~~in addition to broadcast station ID information, each set of~~ the broadcast
ID information on the recording medium also includes a broadcast channel number
corresponding to a broadcast frequency on which the program corresponding to the
broadcast ID information was broadcast,

the reading means reads a broadcast station ID information and a broadcast
channel number from a piece of broadcast ID information, and

the display means displays the broadcast station ID information and broadcast
channel number read by the reading means.

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28. **(Original)** A playback apparatus according to Claim 24,
wherein the recording medium is removable,
the reading means includes a medium loading unit operable to load the recording
medium, and

the reading means reads the broadcast station ID information from the recording
medium loaded by the medium loading unit.

29. **(Original)** A playback apparatus according to Claim 24,
wherein the broadcast station ID information includes character string data
showing a name of a broadcast station, and
the display means displays the character string data.

30. **(Currently Amended)** A playback apparatus according to Claim 24,
wherein the recording medium is a rewritable optical disc,
wherein the program and management information, including an IT_TXT area
that is linked to an area in which the program is recorded on the optical disc, are recorded
in conformity with DVD Video Recording Standard,

the broadcast ID information of the program is recorded in an IT_TXT area in
accordance with a data application format that is shown by a data application ID recorded

together with the broadcast ID information, in a text field that is appended with an IDCD value "0x90", and

the reading means judges whether ~~a~~ the data application ID ~~that is~~ paired with the broadcast ID information, including the broadcast station ID information, matches a predetermined value, and reads the broadcast station ID information only when the data application ID matches the predetermined value.

31. **(Original)** A playback apparatus according to Claim 30,

wherein the management information includes a LAST_MNF_ID area, and

the reading means judges whether a predetermined value is stored at a predetermined position in the LAST_MNF_ID area and suppresses reading of the broadcast station ID information when the predetermined value is not stored.

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32. **(Currently Amended)** A playback apparatus according to Claim 24, further comprising:

broadcast channel number receiving means for receiving an input of a broadcast channel number corresponding to a broadcast frequency from a user;

receiving means for receiving a broadcast signal broadcast on the broadcast frequency corresponding to the broadcast channel number received by the broadcast channel number receiving means; and

broadcast station correspondence table storing means for storing a broadcast station correspondence table that associates each broadcast channel number with broadcast station ID information for identifying a broadcast station that broadcasts a broadcast signal that can be received by the ~~reception~~ receiving means,

wherein the display means ~~searching~~ searches for pieces of broadcast station ID information read by the reading means in the broadcast station correspondence table and ~~displaying~~ displays a broadcast channel number corresponding to each piece of broadcast station ID information found in the broadcast station correspondence table.

33. **(Currently Amended)** A playback apparatus according to Claim 32, further comprising:

operation channel number reception means for receiving an input of an operation channel number from ~~a~~ the user; and

channel correspondence table storage means for storing a channel correspondence table that associates each operation channel number with a broadcast channel number,

wherein the receiving means specifies, based on the channel correspondence table, a broadcast channel number corresponding to the operation channel number received by the operation channel number reception means, and receives a broadcast signal broadcast on a broadcast frequency corresponding to the specified broadcast channel number, and

the display means converts, based on the channel correspondence table, the broadcast channel number corresponding to the broadcast ID information to an operation channel number and displays the operation channel number.

34. **(Original)** A playback apparatus according to Claim 32, further comprising

broadcast station correspondence table obtaining means for obtaining the broadcast station correspondence table from another apparatus via a communication path, and storing the obtained broadcast station correspondence table in the broadcast station correspondence table storage means.

35. **(Currently Amended)** A recording apparatus, comprising:

reception means for receiving a broadcast signal;

program recording means for recording a program which is a part of ~~a~~ the broadcast signal received by the reception means during a certain period, on a recording medium; and

program attribute recording means for recording program-related information, which is linked to an area in which the program is recorded, with a data construction that is defined by a predetermined standard, and recording attribute information, which shows attributes of the program and is not defined by the predetermined standard, in the program-related information with a data construction that conforms with an application

format, the application format being shown by a data application ID that the program attribute recording means records as a pair with the attribute information.

36. **(Original)** A recording apparatus according to Claim 35,
wherein the program recording means records the program onto the recording medium with a certain bitrate, and

the program attribute recording means records recording mode information showing either the bitrate or a control method for determining the bitrate onto the recording medium as the attribute information showing the attributes of the program.

37. **(Original)** A recording apparatus according to Claim 35,
wherein the program attribute recording means records the data application ID in a last recording apparatus information area, the predetermined standard dictating that a recording apparatus that records data also records apparatus information in the last recording apparatus information area.

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38. **(Currently Amended)** A playback apparatus for playing back a program that is recorded on a recording medium,

the recording medium storing

(1) a program

(2) program-related information, which

(a) is linked to an area in which the program is recorded,

(b) has a data construction that is defined by a predetermined standard, and

(c) includes attribute information, which shows attributes of the program and is not defined by the predetermined standard,

the attribute information having a data construction that conforms with an application format, and

the application format being shown by a data application ID that is recorded as a pair with the attribute information,

the playback apparatus comprising:

reading means for reading the program and the attribute information;

display means for displaying the attribute information read by the reading means;
and
playback means for playing back the program read by the reading means.

39. **(Currently Amended)** A playback apparatus according to Claim 38,
wherein the attribute information is recording mode information showing either a
bitrate used to record the program or a control method for determining the bitrate, and
the display means displays information showing the bitrate or the control method
used for the bitrate based on the recording mode information read by the reading means.

40. **(Original)** A playback apparatus according to Claim 38,
wherein the recording medium includes a last recording apparatus information
area into which a recording apparatus that records data must, according to the
predetermined standard, also record apparatus information, and
the reading means judges whether the data application ID is recorded in the last
recording apparatus information area, and only reads the attribute information on judging
that the data application ID is recorded.

41. **(Currently Amended)** A data recording medium that records a program
which is a part of a broadcast signal during a certain period, the data recording medium
comprising:

a program recording area in which ~~a~~ the program is recorded; and
a program attribute recording area, which is linked to the program recording area
and in which broadcast ID information is recorded,

the broadcast ID information enabling ~~a~~ the broadcast signal for the program to be
identified out of a plurality of broadcast signals that are specified by conditions
~~composed of including~~ broadcast frequencies and at least one other item, and

the broadcast ID information being based on ~~the~~ a broadcast frequency and other
information.

42. **(Currently Amended)** A data recording medium on which a program is recorded, the data recording medium comprising:

a program recording area in which ~~a~~ the program is recorded; and

a program attribute recording area, which is linked to the program recording area and in which attribute information showing attributes of the program is recorded with a data construction that conforms with a data application format shown by a data application ID recorded with the attribute information as a pair.

43. **(Currently Amended)** A recording method for recording a broadcast signal onto a recording medium, the recording method comprising:

~~a reception step for receiving a~~ the broadcast signal, out of a plurality of broadcast signals, that is specified using a condition, the condition including a broadcast frequency and at least one other item; and

~~a recording step for recording~~

(1) the broadcast signal received by ~~the reception step~~ receiving operation, and

(2) broadcast ID information ~~that is based on a channel number and other information.~~ the broadcast ID information enabling and enables the received broadcast signal to be identified out of ~~a~~ the plurality of broadcast signals,

on a recording medium in an interrelated manner.

44. **(Currently Amended)** A playback method that plays back a program recorded on a recording medium,

the recording medium storing a program and broadcast ID information for the program in an interrelated manner,

a the program being a part of a broadcast signal during a certain period,

the broadcast ID information (1) specifying the broadcast signal, out of a plurality of broadcast signals ~~that can~~ able to be specified by a condition ~~composed of~~ including a broadcast frequency and at least one other item, on which the program was received, and (2) being based on the broadcast frequency and other information,

the playback method comprising:

~~a reading step for reading a~~ the program and at least part of the broadcast ID information related to the program;

~~a display step for displaying the~~ at least part of the broadcast ID information read by the ~~reading step~~ operation; and

~~a playback step for playing back the program read by the reading step~~ operation.

45. **(Currently Amended)** A recording method for recording a broadcast signal onto a recording medium, the recording method comprising:

~~a reception step for receiving a~~ the broadcast signal;

~~a program recording step for recording a program which is a part of a~~ the broadcast signal received by the ~~reception step~~ operation during a certain period, ~~on a~~ the recording medium; and

~~a program attribute recording step for~~ operation of recording program-related information, which is linked to an area in which the program is recorded, with a data construction that is defined by a predetermined standard, and recording attribute information, which shows attributes of the program and is not defined by the predetermined standard, in the program-related information with a data construction that conforms with an application format, the application format being shown by a data application ID that the program attribute ~~recording step~~ operation records as a pair with the attribute information.

46. **(Currently Amended)** A playback method for playing back a program that is recorded on a recording medium,

the recording medium storing

(1) ~~a~~ the program

(2) program-related information, which

(a) is linked to an area in which the program is recorded,

(b) has a data construction that is defined by a predetermined standard, and

(c) includes attribute information, which shows attributes of the program and is not defined by the predetermined standard,

the attribute information having a data construction that conforms with an application format, and

the application format being shown by a data application ID that is recorded as a pair with the attribute information,

the playback method comprising:

~~a reading step~~ for reading the program and the attribute information;

~~a display step~~ for displaying the attribute information read by the ~~reading step~~ operation; and

~~a playback step~~ for playing back the program read by the ~~reading step~~ operation.

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